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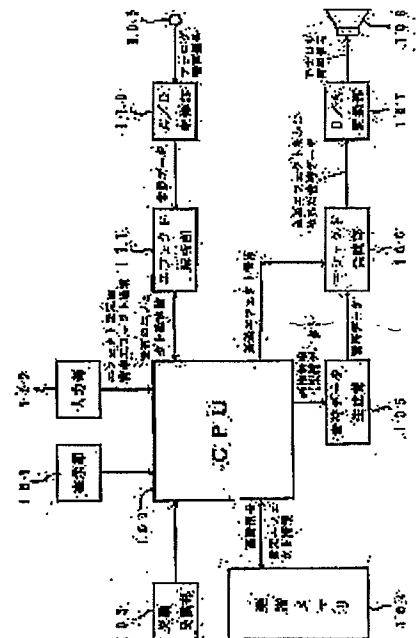
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## (54) DIGITAL SIGNAL PROCESSING DEVICE HAVING MELODY FUNCTION

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To resolve the problem that a monotonous melody is caused by reproducing a musical score with the combination of simple waveforms such as sine waves, i.e., differences in music and tone color of a musical instrument are eliminated no matter what the music is.

**SOLUTION:** Musical score information of plural musics in a musical score memory 104 and plural kinds of music effect information are related and stored. For example, when a telephone receives a call, music score information is read from a music score memory 104, transferred to a music note data generating section 105 and music note data are generated and transmitted to an effect synthesis section 106. Based on read music effect information, musical effects are added to the music note data. Then, the data are converted into analog audio signals and a melody is reproduced from a speaker 108.



## LEGAL STATUS

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